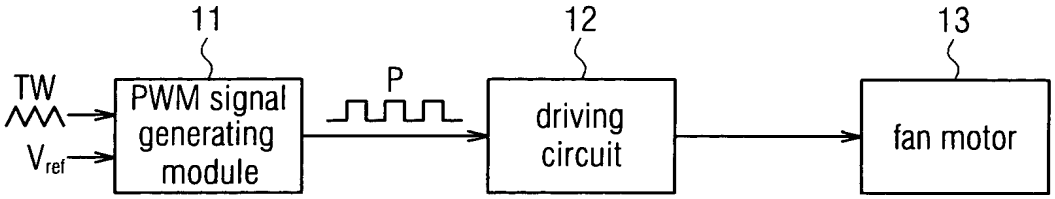

FIG. 1
(PRIOR ART)

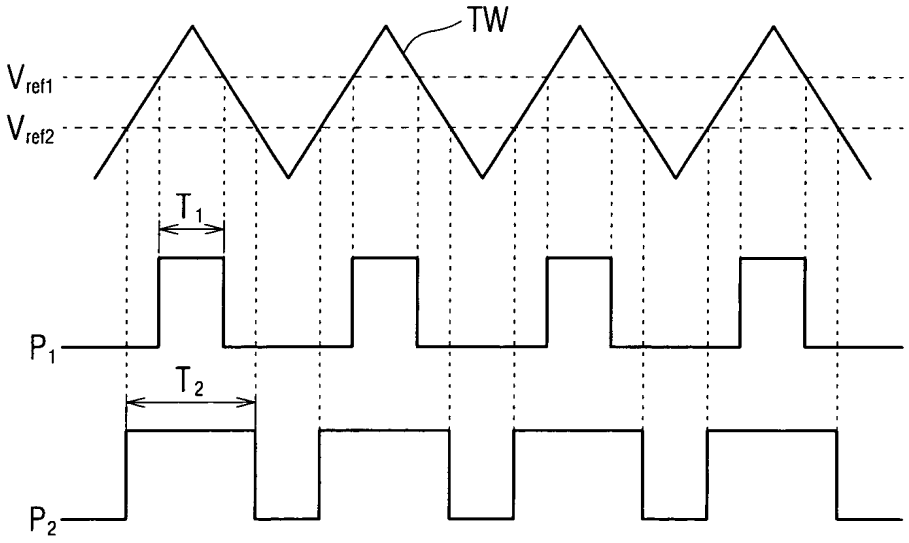

FIG. 2
(PRIOR ART)

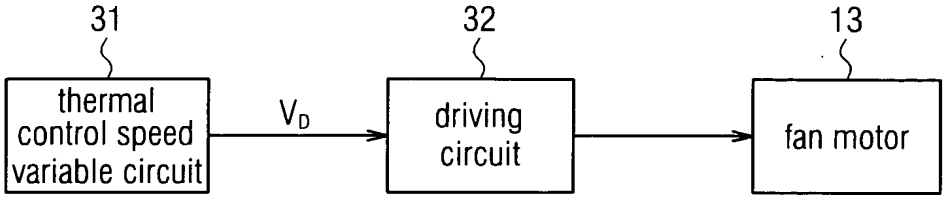
31
32
13
thermal control speed variable circuit
V_D
driving circuit
fan motor

FIG. 3

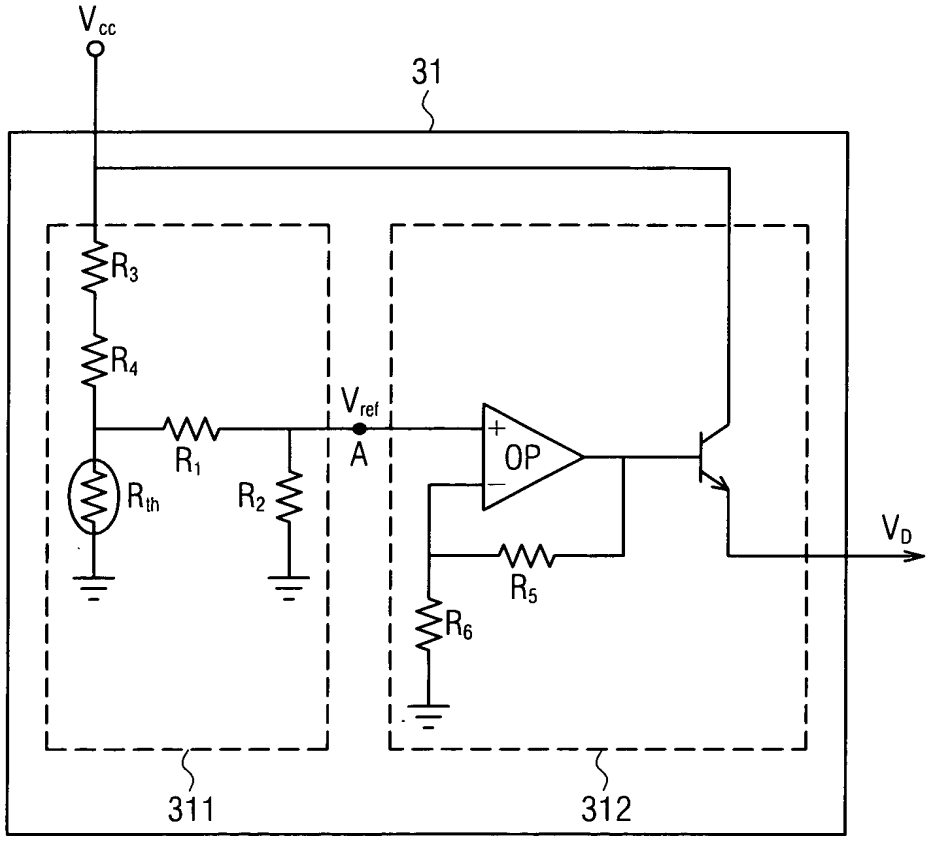
V_{cc}
31
R_3
R_4
V_{ref}
A
R_1
R_{th}
R_2
OP
V_D
R_5
R_6
311
312

FIG. 4

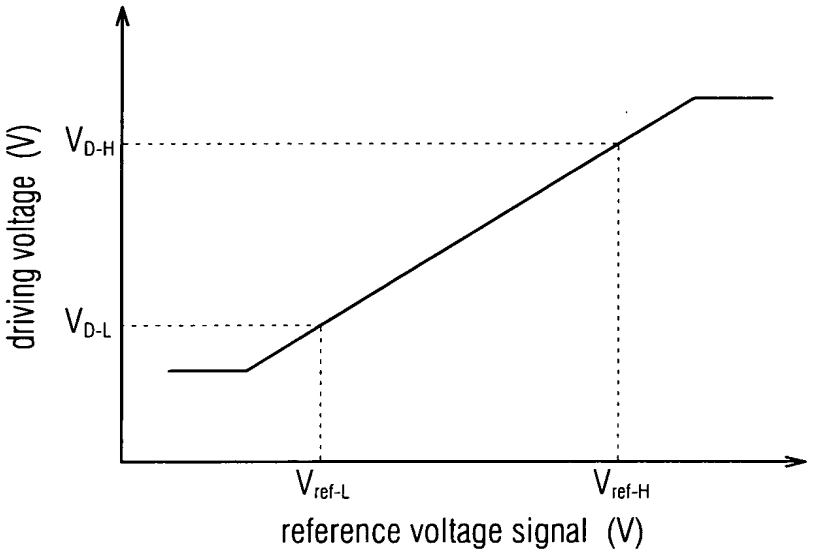
driving voltage (V)
V_{D-H}
V_{D-L}
V_{ref-L}
V_{ref-H}
reference voltage signal (V)

FIG. 5